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## Languages

### Spanish

Native language

### English

C1 IELTS

### French

B2 Proficiency

## Technical Skills

### Programming

Python, Jupyter, Scikit-learn, keras, torch, Selenium

### Data management

Excel, Pandas, Numpy, Selenium, SQL

### Algorithms

Decision Tree, Deep learning, Naive Bayes, Q-learning

## Honors and Awards

Eiffel Scholarship for academic excellence (Sep 2024)

Salazar Scholarship (Sep 2024)

1st place in Department and 3rd in Faculty (2021-2024)

"Permanence" Scholarship for academic excellence (2021-2024)

## Volunteering

### IEEE ComSoc dissemination

Events assistant and organizer in UNI (Peru).

### UN calls system

UN surveys by telephone call to immigrants

## Interests

Rugby, Boardgames, dance

# ALEJOS ARRIETA Fredo

Master's student in Data Science with a cross-cultural engineering background and hands-on academic projects in machine learning and analysis. I'm looking for an end-of-studies internship starting between March and May 2026.

## Diplomas and Training

### École Polytechnique - IP Paris

From September 2025 to June 2026

[Master in Data Science, Applied Maths and Statistics - Bac +5](#) Palaiseau, France

- **First French Engineering School**

Generative AI, Reinforcement Learning, Advanced Deep Learning, Computer Vision, Big Data, Data Stream, Time Series

### Telecom Paris - IP Paris

From September 2024 to June 2026

[Diplôme d'Ingénieur \(Data Science, Artificial Intelligence\) - Bac +5](#) Palaiseau, France

- **First French school of IT and digital technologies**

Machine Learning, Optimization Methods, Data Exploration, Deep Learning, Generative AI, Visualization, Markets, Econometrics, Data Analysis, Research Skills.

### National University of Engineering

From March 2020 to July 2024

[Computer Science, Telecommunications - Bac +5](#) Lima, LR, Peru

- **Ranked 1st in Peru for research and patents number (INDECOPI)**

Training in Software Technologies, Neural Networks, Q-learning, Linear Algebra, Statistics.

## Projects

### Neural Machine Translation and Language Modeling

September 2025 [École Polytechnique](#) Paris, France

- Bidirectional recurrent neural networks for the translation of text from English to French.
- GRU, RNN, Word Embedding, Pytorch, Global Attention Mechanism.

### Classification of medical patients based on CMRI exams

May 2025 [Telecom Paris](#) Paris, France

- Collaboration for ML model design in detection of patterns in CMRI exams on patients' heart.
- Random Forest, Decision Trees, Impurity Measures, Optimization, Machine Learning Models, Torch.

### Number image recognition and recreation

April 2025 [Telecom Paris](#) Paris, France

- Number recognition and posterior recreation with the use of neural networks and Principal Component Analysis (PCA).
- Neural Networks, Linear Algebra, Keras, TensorFlow, scikit-learn

### Automated stock trading for non-derivative products.

From February 2025 to April 2025 [Telecom Paris](#) Palaiseau

- Analysis of alternatives to automated trading for risk management and stability.
- Machine learning, deep learning, naive Bayesian classification.

### Predicting Movie Performance Based on Ratings and Casting

From November 2024 to January 2025 [Telecom Paris](#) Palaiseau

- Analysis to verify the relationship between the economic performance of a film and its casting and ranking.
- Statistics, optimization, databases management, numpy, pandas, selenium.

## Work Experience

### Software developer intern for attribute based encryption research

From June 2023 to December 2023 [INICTEL \(UNI\)](#) Lima, LR, Peru

- Research for ABE applied on IoT devices.
- Use of key servers and encryption methods for solving data overload problems.
- Linux, Linear Algebra, Python, number theory, optimization.